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Sequence Listing was accepted.

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Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=9; day=4; hr=11; min=42; sec=32; ms=802; ]

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Application No: 10570554 Version No: 2.0

Input Set:

Output Set:

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Finished: 2009-08-24 11:02:04.336  
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 395 ms  
Total Warnings: 7  
Total Errors: 0  
No. of SeqIDs Defined: 26  
Actual SeqID Count: 26

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
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W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)
W 213	Artificial or Unknown found in <213> in SEQ ID (26)

# SEQUENCE LISTING

<110> CropDesign N.V.

<120> Plants having modified growth characteristics and method for making the same

<130> CD-103-PCT

<140> 10570554

<141> 2009-08-24

<150> EP 03077811.2

<151> 2003-09-05

<160> 26

<170> PatentIn version 3.3

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<211> 930

<212> DNA

<213> Arabidopsis thaliana

<400> 1

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tcgatctatg ttgttcgatt actctgcgtc gaacatgttc atcaaccatc aaccaaattct	240
caatctacca aatccaattct ctatctcgtt ttcgagtatc tcgatactga tcttaagaaa	300
ttcatcgatt cgtataggaa aggacctaat cctaagcctc ttgagccttt tttgattcag	360
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gacatgtggt ctggttggtg tatctttgct gagatgggtc ggaggcaagc tcttttcct	660
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caagacttaa ctcttgctgt tccttctctt tcacctcaag gagttgatct tctcacgaaa	840
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20 25 30

Lys Lys Thr Arg Leu Glu Met Asp Glu Glu Gly Ile Pro Pro Thr Ala  
35 40 45

Leu Arg Glu Ile Ser Leu Leu Gln Met Leu Ser Thr Ser Ile Tyr Val  
50 55 60

Val Arg Leu Leu Cys Val Glu His Val His Gln Pro Ser Thr Lys Ser  
65 70 75 80

Gln Ser Thr Lys Ser Asn Leu Tyr Leu Val Phe Glu Tyr Leu Asp Thr  
85 90 95

Asp Leu Lys Lys Phe Ile Asp Ser Tyr Arg Lys Gly Pro Asn Pro Lys  
100 105 110

Pro Leu Glu Pro Phe Leu Ile Gln Lys Leu Met Phe Gln Leu Cys Lys  
115 120 125

Gly Val Ala His Cys His Ser His Gly Val Leu His Arg Asp Leu Lys  
130 135 140

Pro Gln Asn Leu Leu Leu Val Lys Asp Lys Glu Leu Leu Lys Ile Ala  
145 150 155 160

Asp Leu Gly Leu Gly Arg Ala Phe Thr Val Pro Leu Lys Ser Tyr Thr  
165 170 175

His Glu Ile Val Thr Leu Trp Tyr Arg Ala Pro Glu Val Leu Leu Gly  
180 185 190

Ser Thr His Tyr Ser Thr Gly Val Asp Met Trp Ser Val Gly Cys Ile

195

200

205

Phe Ala Glu Met Val Arg Arg Gln Ala Leu Phe Pro Gly Asp Ser Glu

210215220

Phe Gln Gln Leu Leu His Ile Phe Arg Leu Leu Gly Thr Pro Thr Glu

225230235240

Gln Gln Trp Pro Gly Val Ser Thr Leu Arg Asp Trp His Val Tyr Pro

245250255

Lys Trp Glu Pro Gln Asp Leu Thr Leu Ala Val Pro Ser Leu Ser Pro

260265270

Gln Gly Val Asp Leu Leu Thr Lys Met Leu Lys Tyr Asn Pro Ala Glu

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Arg Ile Ser Ala Lys Thr Ala Leu Asp His Pro Tyr Phe Asp Ser Leu

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Asp Lys Ser Gln Phe

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<213> Arabidopsis thaliana

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120

gaagaaggta taccaccaac ggctctccgt gagatctctc ttctccaaat gctttctcaa

180

tcaatctaca tcgttcgtct cctctgcgtc gaacatgtta ttcaatcgaa agattcgact

240

gtttctcact ctcccaaate caatctctat ctcgtttttg agtatctcga cactgatctc

300

aagaaattta tagattctca tagaaagggc tcgaatccta gaccgcttga ggcttctctt

360

gtgcagaggt ttatgtttca gcttttttaa ggtgtggctc attgtcatag ccatgggtgtg

420

cttcaccgtg atcttaaacc gcagaatctt ctattggata aggataaagg gattcttaag

480

attgctgatt tgggtcttag tcgtgctttt actgtgcctc ttaaggetta tacacatgag

540

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600

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ttccctgggtg attctgagtt tcagcaacta cttcatattt tcagattggt aggaacacca 720  
actgagcagc aatggccggg tgtaatggca ttgcgtgact ggcattgtcta tccaaagtgg 780  
gagccgcaag acttatcacg tgctgttcca tctctatctc ctgaaggaat tgatcttctc 840  
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<213> Arabidopsis thaliana

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35 40 45  
  
Leu Arg Glu Ile Ser Leu Leu Gln Met Leu Ser Gln Ser Ile Tyr Ile  
50 55 60  
  
Val Arg Leu Leu Cys Val Glu His Val Ile Gln Ser Lys Asp Ser Thr  
65 70 75 80  
  
Val Ser His Ser Pro Lys Ser Asn Leu Tyr Leu Val Phe Glu Tyr Leu  
85 90 95  
  
Asp Thr Asp Leu Lys Lys Phe Ile Asp Ser His Arg Lys Gly Ser Asn  
100 105 110  
  
Pro Arg Pro Leu Glu Ala Ser Leu Val Gln Arg Phe Met Phe Gln Leu  
115 120 125  
  
Phe Lys Gly Val Ala His Cys His Ser His Gly Val Leu His Arg Asp  
130 135 140  
  
Leu Lys Pro Gln Asn Leu Leu Leu Asp Lys Asp Lys Gly Ile Leu Lys

145

150

155

160

Ile Ala Asp Leu Gly Leu Ser Arg Ala Phe Thr Val Pro Leu Lys Ala

165170175

Tyr Thr His Glu Ile Val Thr Leu Trp Tyr Arg Ala Pro Glu Val Leu

180185190

Leu Gly Ser Thr His Tyr Ser Thr Ala Val Asp Ile Trp Ser Val Gly

195200205

Cys Ile Phe Ala Glu Met Ile Arg Arg Gln Ala Leu Phe Pro Gly Asp

210215220

Ser Glu Phe Gln Gln Leu Leu His Ile Phe Arg Leu Leu Gly Thr Pro

225230235240

Thr Glu Gln Gln Trp Pro Gly Val Met Ala Leu Arg Asp Trp His Val

245250255

Tyr Pro Lys Trp Glu Pro Gln Asp Leu Ser Arg Ala Val Pro Ser Leu

260265270

Ser Pro Glu Gly Ile Asp Leu Leu Thr Gln Met Leu Lys Tyr Asn Pro

275280285

Ala Glu Arg Ile Ser Ala Lys Ala Ala Leu Asp His Pro Tyr Phe Asp

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Ser Leu Asp Lys Ser Gln Phe

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<212> DNA

<213> Arabidopsis thaliana

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atcgttgctt tgaagaagac gcgtctccat gaggatgaag aaggtgttcc tcccactact180

cttcgcgaga tctctatctt gcgtatgctc gctcgtgatc ctcacatcgt taggttgatg240

gatgttaagc aaggaataaa caaagaagga aaaactgtac ttaccttgt ttcgagtat 300  
gttgatactg atctcaagaa attcatcaga agctttcgtc aagctggaca gaacattcca 360  
caaaataactg tcaagtgctt gatgtaccag ttatgcaaag gcatggcttt ttgccatggt 420  
catggagtgt tgcacaggga tcttaagcct cacaatctct tgatggaccg gaagacaatg 480  
acgctcaaaa tagcagatct tggattagcc agagccttca ctctcccaat gaaaaagtat 540  
acacatgaga ttctaactct atggtataga gctccggaag ttcttcttgg agcaaccat 600  
tactctactg gagtggatat gtggtctggt ggctgtatth ttgctgaact agtgaccaag 660  
caagcaatct ttgcgggaga ctctgagctc caacagctcc tccgtatatt caggttgttg 720  
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ccgcaatgga aaccgttgag tctctccaca gctgtgccaa acctcgacga ggctggactt 840  
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<212> PRT  
<213> Arabidopsis thaliana

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Ala Arg Glu Lys Ala Thr Gly Met Ile Val Ala Leu Lys Lys Thr Arg  
35 40 45

Leu His Glu Asp Glu Glu Gly Val Pro Pro Thr Thr Leu Arg Glu Ile  
50 55 60

Ser Ile Leu Arg Met Leu Ala Arg Asp Pro His Ile Val Arg Leu Met  
65 70 75 80

Asp Val Lys Gln Gly Ile Asn Lys Glu Gly Lys Thr Val Leu Tyr Leu  
85 90 95

Val Phe Glu Tyr Val Asp Thr Asp Leu Lys Lys Phe Ile Arg Ser Phe





<212> DNA  
<213> Oryza sativa

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gggggttaacc ctgatggagc agtacgagaa ggaggagaag attgggggagg gcacgtacgg 180  
  
ggtggtgtac agggcgcgggg acaaggtcac caacgagacg atcgcgctca agaagatccg 240  
  
gcttgagcag gaggatgagg gcgtcccctc caccgcaatc cgcgagatct cgctcctcaa 300  
  
ggagatgcat cacggcaaca tcgtcagggtt acacgatgtt atccacagtg agaagcgcgcat 360  
  
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gtttgcgaaa aacccccactt taattaagtc atatctctat cagatactcc gcggcggttgc 480  
  
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tgtccgcacg tttactcacg aggttgtaac cttgtggtat agagctccag agatccttct 660  
  
tggatcaagg cagtattcta caccagttga tatgtggtca gttggttgta tctttgcaga 720  
  
aatggtgaac cagaaaccac tgttccttgg tgattctgag attgatgaat tatttaagat 780  
  
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cacagctaga caggctcttg agcatgaata cttcaaggac cttgagatgg tacaatgacc 1020  
  
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<212> PRT  
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Val Val Tyr Arg Ala Arg Asp Lys Val Thr Asn Glu Thr Ile Ala Leu  
20 25 30

Lys	Lys	Ile	Arg	Leu	Glu	Gln	Glu	Asp	Glu	Gly	Val	Pro	Ser	Thr	Ala	
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	50					55						60				
Arg	Leu	His	Asp	Val	Ile	His	Ser	Glu	Lys	Arg	Ile	Tyr	Leu	Val	Phe	
65					70					75					80	
Glu	Tyr	Leu	Asp	Leu	Asp	Leu	Lys	Lys	Phe	Met	Asp	Ser	Cys	Pro	Glu	
				85					90					95		
Phe	Ala	Lys	Asn	Pro	Thr	Leu	Ile	Lys	Ser	Tyr	Leu	Tyr	Gln	Ile	Leu	
			100					105					110			
Arg	Gly	Val	Ala	Tyr	Cys	His	Ser	His	Arg	Val	Leu	His	Arg	Asp	Leu	
	115						120					125				
Lys	Pro	Gln	Asn	Leu	Leu	Ile	Asp	Arg	Arg	Thr	Asn	Ala	Leu	Lys	Leu	
	130					135					140					
Ala	Asp	Phe	Gly	Leu	Ala	Arg	Ala	Phe	Gly	Ile	Pro	Val	Arg	Thr	Phe	
145					150					155					160	
Thr	His	Glu	Val	Val	Thr	Leu	Trp	Tyr	Arg	Ala	Pro	Glu	Ile	Leu	Leu	
				165					170					175		
Gly	Ser	Arg	Gln	Tyr	Ser	Thr	Pro	Val	Asp	Met	Trp	Ser	Val	Gly	Cys	
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	210					215					220					
Glu	Gln	Ser	Trp	Pro	Gly	Val	Ser	Ser	Leu	Pro	Asp	Tyr	Lys	Ser	Ala	
225					230					235					240	
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Asn Lys Arg Ile Thr Ala Arg Gln Ala Leu Glu His Glu Tyr Phe Lys  
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Asp Leu Glu Met Val Gln  
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<210> 9  
<211> 294  
<212> PRT  
<213> Oryza sativa

<400> 9

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20 25 30

Lys Lys Ile Arg Leu Glu Gln Glu Asp Glu Gly Val Pro Ser Thr Ala  
35 40 45

Ile Arg Glu Ile Ser Leu Leu Lys Glu Met His His Gly Asn Ile Val  
50 55 60

Arg Leu His Asp Val Ile His Ser Glu Lys Arg Ile Tyr Leu Asp Phe  
65 70 75 80

Glu Tyr Leu Asp Leu Asp Leu Lys Lys Phe Met Asp Ser Cys Pro Glu  
85 90 95

Phe Ala Lys Asn Pro Thr Leu Ile Lys Ser Tyr Leu Tyr Gln Ile Leu  
100 105 110

Arg Gly Val Ala Tyr Cys His Ser His Arg Val Leu His Arg Asp Leu  
115 120 125

Lys Pro Gln Asn Leu Leu Ile Asp Arg Arg Thr Asn Ala Leu Lys Leu  
130 135